



Electronic Filing System (EFS) Data

Electronic Patent Application Submission

USPTO Use Only

EFS ID: 54272
Application ID: 10656848
Title of Invention: Negative Ion Source with External RF Antenna
First Named Inventor: Ka-Ngo Leung
Domestic/Foreign Application: Domestic Application
Filing Date: 2003-09-06
Effective Receipt Date: 2004-01-26
Submission Type: Information Disclosure Statement
Filing Type:
Confirmation number: 8582
Attorney Docket Number: IB-1826A

Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 120690
Deposit Account Name: Joseph Ray Milner
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-01-26
RAM Sequence Number: 5



Digital Certificate Holder: cn=Joseph R. Milner,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 21066ee001dbf6720eb0d7e4de3ce8ed29ada1cd



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Negative Ion Source with External RF Antenna						
Application Number:	10/656848 						
Confirmation Number:	8582						
First Named Applicant:	Ka-Ngo Leung						
Attorney Docket Number:	IB-1826A						
Examiner:	unknown unknown						
Search string:	(4725449 or 5434353 or 5587226 or 6124834 or 4447732 or 4529571 or 4793961 or 5198677 or 6094012 or 3846636 or 4395631 or 6376978 or 20020150193).pn.						
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4725449	1988-02-16	Ehlers et al.		427	49
	2	5434353	1995-07-18	Kraus		174	15.6
	3	5587226	1996-12-24	Leung et al.		428	210
	4	6124834	2000-09-26	Leung et al.		343	867
	5	4447732	1984-05-08	Leung et al.		250	427
	6	4529571	1985-07-16	Bacon et al.		376	144
	7	4793961	1988-12-27	Ehlers et al.		376	127
	8	5198677	1993-03-30	Leung et al.		250	424
	9	6094012	2000-07-25	Leung et al.		315	111.81
	10	3846636	1974-11-05	Zehr et al.		250	499
	11	4395631	1983-07-26	Salisbury		250	251
	12	6376978	2002-04-23	Leung et al.		313	359.1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020150193	2002-10-17	Leung et al.		376	108

Signature

Examiner Name	Date